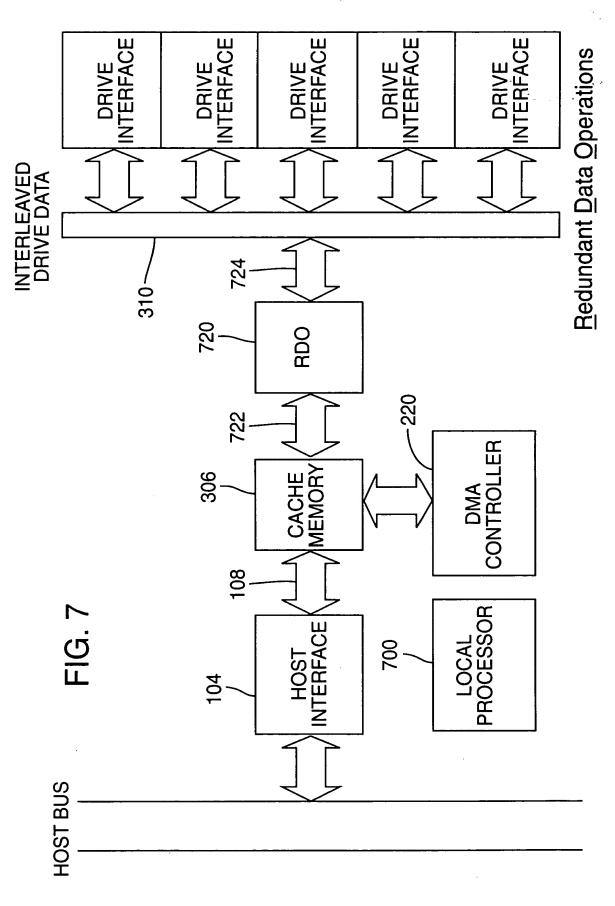
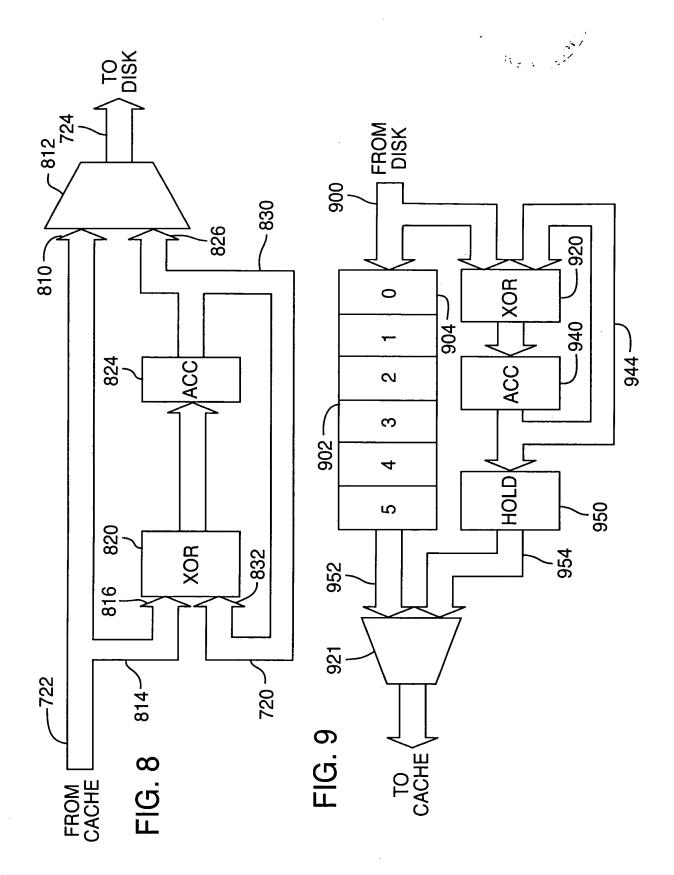


SYNCHRONOUS DATA TRANSFER





DISK READ - NO CORRECTION FIG. 10

| | OUTPUT | | | | | | | A0 | B0 | C0 | D0 | | A1 | B 1 | 5 | D1 |
|------------------|-------------------|------|-------|----------|-------------|----------------|----------------|----------------|-------------------|-------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | | | | | | | Ao | B0 | 00 | 00 | E0 | A1 | B1 | ಬ | 5 | E1 |
| | 12) | | | | | A0 | B0 | 00 | 00 | E0 | A1 | B1 | C1 | 짇 | 핃 | |
| | NE(90 | | | | A0 | B0 | 00 | D0 | E0 | A 1 | B1 | C1 | D1 | 핀 | | |
| | PIPELINE(902) | | | A0 | B0 | 00 | 00 | E0 | A 1 | B 1 | S | D1 | E1 | | | |
| | Li- | | A0 | B0 | 00 | 0 a | E0 | A1 | B1 | C1 | D 1 | E1 | | | _ | |
| | | A0 | 80 | ဝ | 00 | E0 | A1 | B1 | CI | <u>D</u> 1 | E1 | | | | | |
| HOLD | LATCH | | | | | * *** | A0+B0+C0+D0+E0 | A0+B0+C0+D0+E0 | A0+B0+C0+D0+E0 C1 | A0+B0+C0+D0+E0 D1 | A0+B0+C0+D0+E0 | A1+B1+C1+D1+E1 | A1+B1+C1+D1+E1 | A1+B1+C1+D1+E1 | A1+B1+C1+D1+E1 | A1+B1+C1+D1+E1 |
| ACCUMULATOR(940) | CONTENTS | A0 | A0+B0 | A0+B0+C0 | A0+B0+C0+D0 | A0+B0+C0+D0+E0 | A1 | A1+B1 | A1+B1+C1 | A1+B1+C1+D1 | A1+B1+C1+D1+E1 | | | | | |
| ACCL | State INPUT FUNCT | LOAD | XOR | XOR | XOR | HOX | LOAD | HOX | NOX | XOR | XOR | | | | | |
| | INPUT | 0 A0 | 1 B0 | 2 C0 | 3 D0 | 4 E0 | 0 A1 | 1 B1 | 2 C1 | 3 D1 | 4 E1 | | | | | |
| | State | 0 | - | 2 | က | 4 | 0 | 1 | 2 | 3 | 4 | 0 | - | 2 | 3 | 4 |

DISK READ - WITH CORRECTION FIG. 11

| | T) | | | | | | | | | | | | | | _ | |
|------------------|-------------------|---------|----------|----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|----------------|-------------|-------------|
| | OUTP | | | | | | | AO | B0 | တ | 20 | | A 1 | 1 0 | 2 | 2 |
| | | | | | | | A0 | (xxx) A0 | ဥ | 00 | E0 | A 1 | (xxx) A1 | ಬ | 2 | Ш |
| | 2) | | | | | AO | (xxx) | 00 | 0 a | E0 | A1 | (xxx) | C1 | <u>D</u> 1 | Ш | |
| | NE(90 | | | | A0 | (xxx) | CO | D0 | E0 | A1 | (xxx) | C1 | D1 | <u>П</u> | | |
| | PIPELINE(902) | | | A0 | (xxx) | 00 | D0 | E0 | A1 | (xxx) | C1 | D1 | E1 | | | |
| | Ф | | A0 | (xxx) A0 | 00 | D0 | E0 | | (xxx) A1 | C1 | D1 | E1 | | | | |
| | | A0 | (xxx) A0 | 00 | D0 | E0 | A1 | (xxx) A1 | C1 | D1 | E1 | | | | | |
| HOLD | LATCH | | | | | | A0+C0+D0+E0 | A0+C0+D0+E0 | A0+C0+D0+E0 | A0+C0+D0+E0 | A0+C0+D0+E0 | A1+C1+D1+E1 | A1+C1+D1+E1 | A1+C1+D1+E1 | A1+C1+D1+E1 | A1+C1+D1+E1 |
| ACCUMULATOR(940) | CONTENTS | A0 | AO | A0+C0 | A0+C0+D0 | A0+C0+D0+E0 | A1 | A1 | A1+C1 | A1+C1+D1 | A1+C1+D1+E1 | | | | | |
| ACCL | State INPUT FUNCT | LOAD A0 | HOLD A0 | XOR | XOR | XOR | LOAD | атон | XOR | XOR | XOR | | | | | |
| | INPUT | 0 A0 | 1 (xxx) | 2 C0 | 3 D0 | 4 E0 | 0 A1 | (xxx) | 2 C1 | 3 D1 | 4 E1 | | | | | |
| | State | 0 | - | 2 | က | 4 | 0 | - | 2 | က | 4 | 0 | - | 2 | က | 4 |

